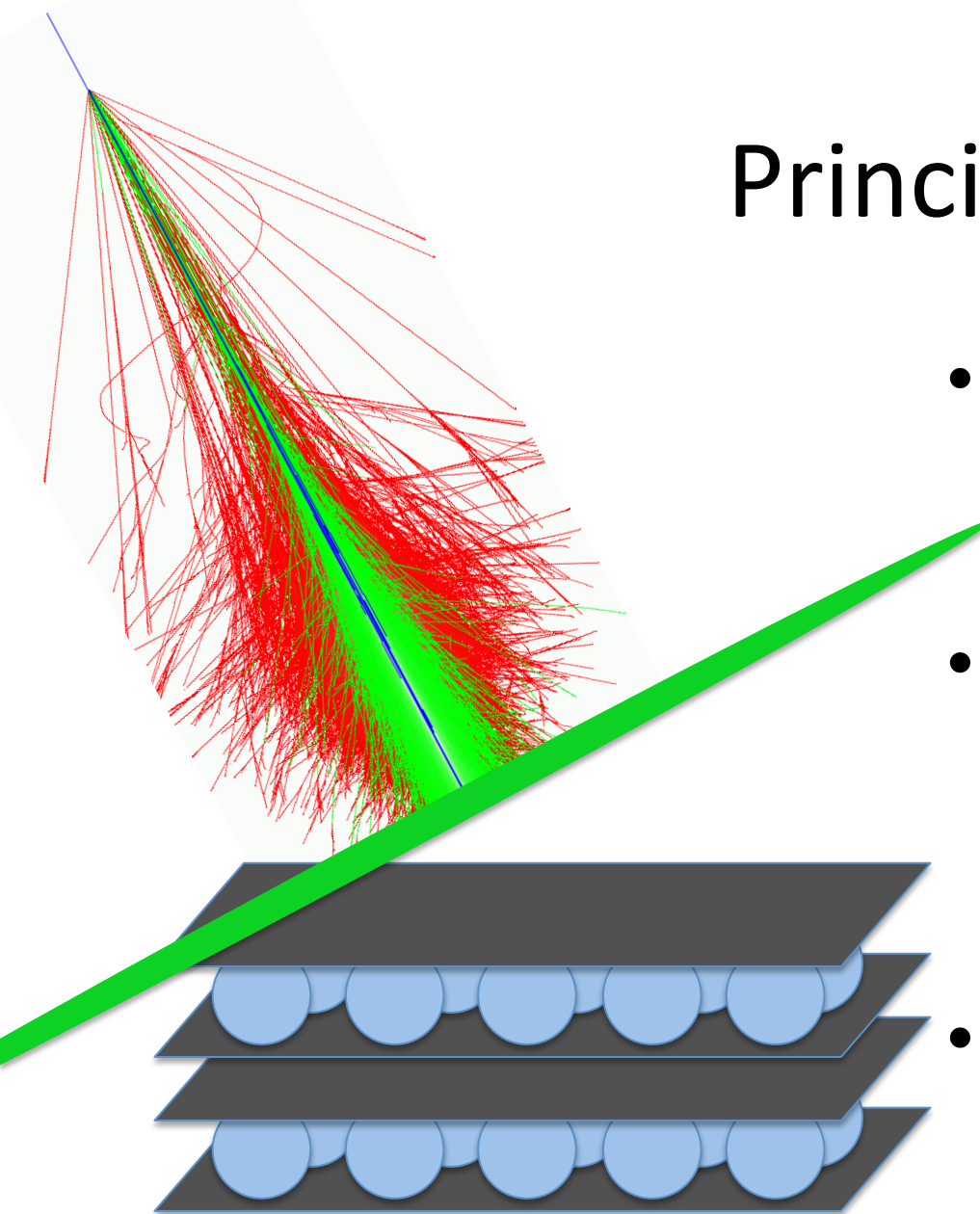




# Muons in dark room data

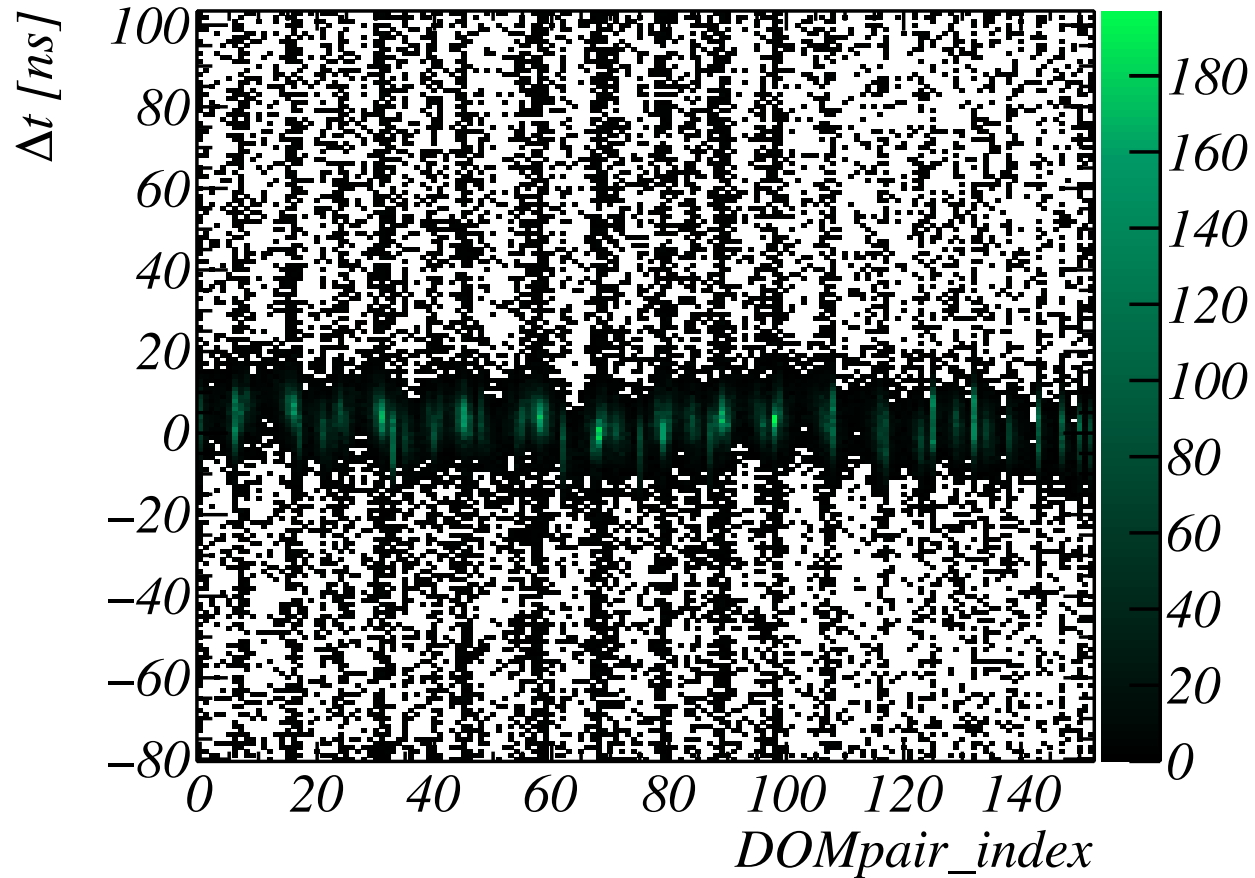
All credits go to Dorothea & Ronald

# Principle



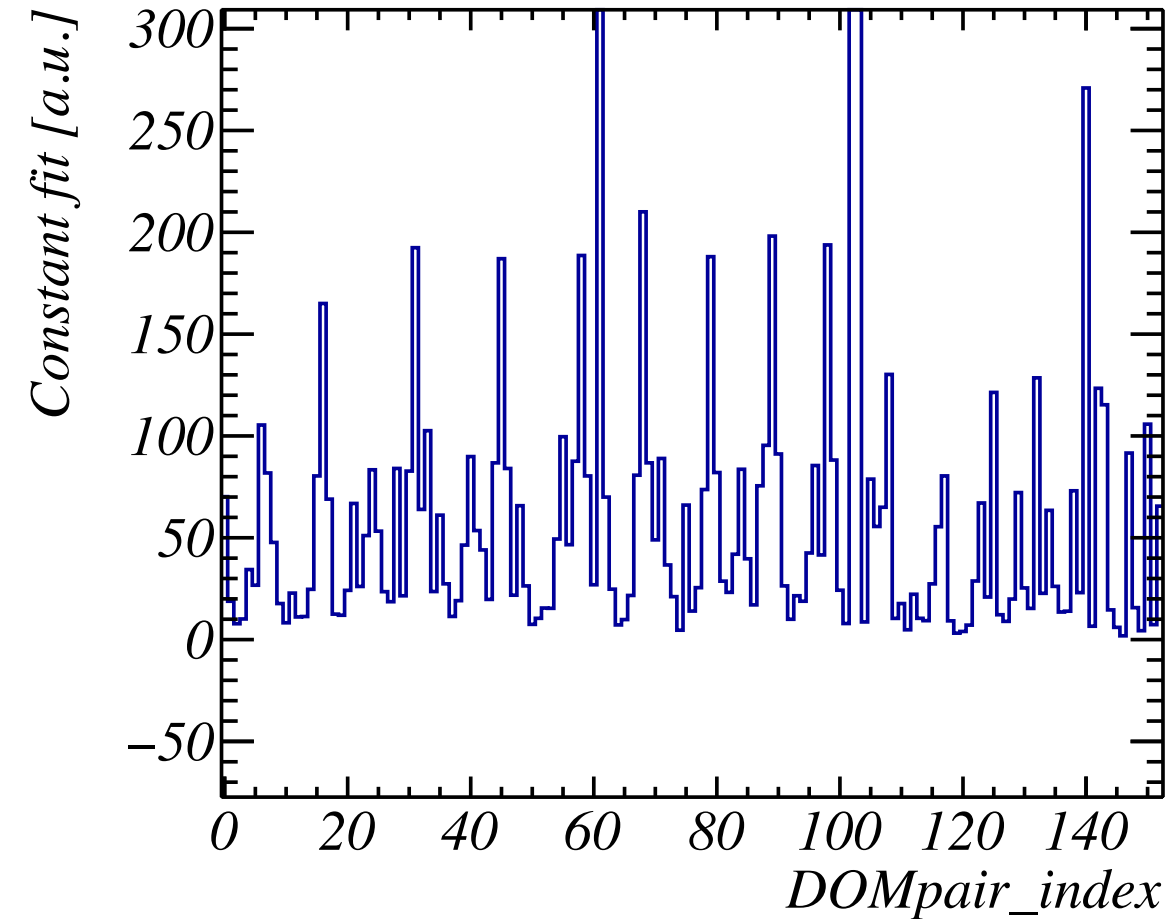
- Air showers hit DOMs (nearly) azimuth-symmetric
- Mean time-difference between DOMs in horizontal plane zero
- Strong correlations between close DOMs

# Coincidence rate



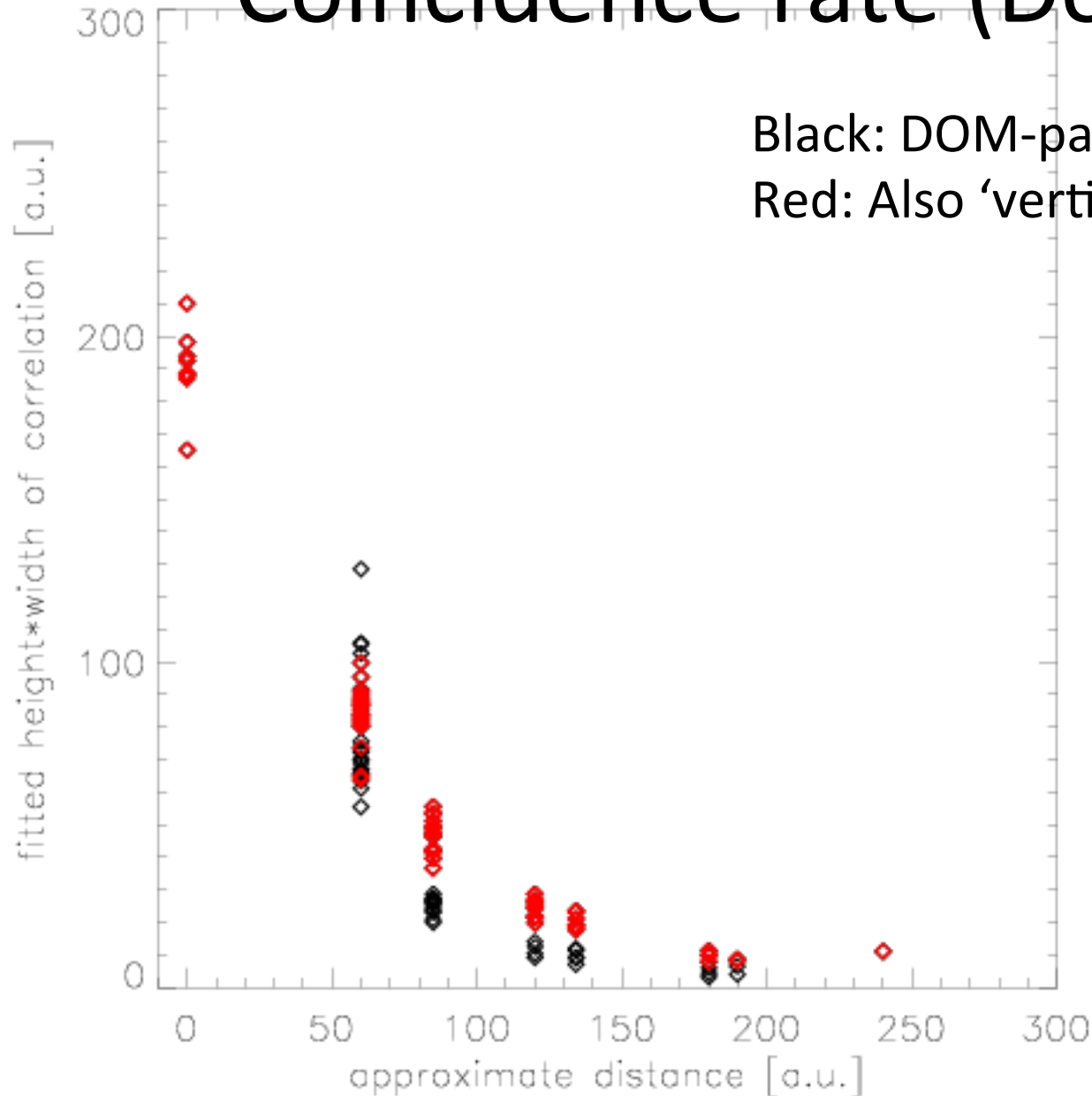
1	2	3	4	x
8	7	6	5	x
18	17	16	15	14
9	10	11	12	13

# Coincidence Rate

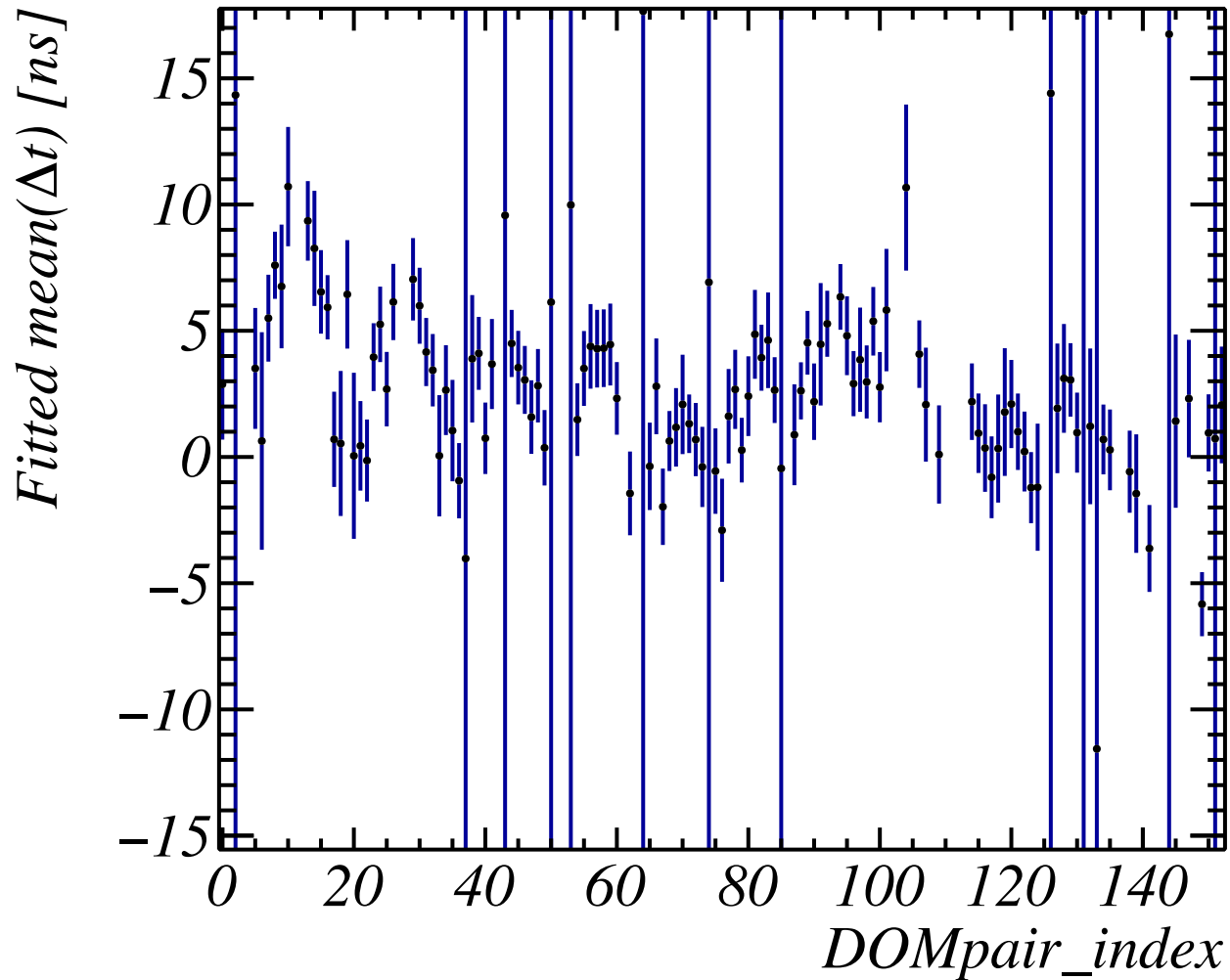


1	2	3	4	x
8	7	6	5	x
18	17	16	15	14
9	10	11	12	13

# Coincidence rate (Dorothea)



# Time difference



# Outlook

- More statistics needed
- Laser-runs are definitely needed
- Muons are nice cross-check
  
- Compare 'muon' calibration with laser calibration